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- 466.41–466.42 [Reserved]
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- 466.44 [Reserved]
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AUTHORITY: Secs. 301, 304 (b), (c), (e), and (g), 306 (b) and (c), 307 and 501 of the Clean Water Act (the Federal Water Pollution Control Act Amendments of 1972, as amended by the Clean Water Act of 1977) (the "Act"); 33 U.S.C. 1311, 1314 (b), (c), (e) and (g), 1316 (b) and (c), 1317 (b) and (c), and 1361; 86 Stat. 816, Pub. L. 92-500; 91 Stat. 1567, Pub. L. 95-217.

SOURCE: 47 FR 53184, Nov. 24, 1982, unless otherwise noted.

#### GENERAL PROVISIONS

#### § 466.01 Applicability.

(a) Except as provided in paragraphs (b) and (c) of this section, the provisions of this part apply to any porcelain enameling facility which discharges pollutants to waters of the United States or introduces pollutants into a publicly owned treatment works.

(b) Any existing porcelain enameling facility which prepares or coats less than 1600 m<sup>2</sup>/day and which introduces less than 60,000 l/day of wastewater

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into a publicly owned treatment works is not controlled by the pretreatment standards for existing sources established by this regulation. Such facilities must comply with the provisions of 40 CFR part 403.

(c) This part does not apply to the porcelain enameling on precious metal basis material.

(d) When wastewaters from coating cast iron are cotreated with wastewaters from coating steel, the limitations for coating steel contained in § 466.11 may be applied to the entire wastestream.

[47 FR 53184, Nov. 24, 1982, as amended at 50 FR 36543, Sept. 6, 1985]

#### § 466.02 General definitions.

In addition to the definitions set forth in 40 CFR part 401, the following definitions apply to this part:

(a) "Porcelain enameling" means the entire process of applying a fused vitreous enamel coating to a metal basis material. Usually this includes metal preparation and coating operations.

(b) "Basis material" means the metal part or base onto which porcelain enamel is applied.

(c) "Area processed" means the total basis material area exposed to processing solutions.

(d) "Area coated" means the area of basis material covered by each coating of enamel.

(e) "Coating operations" means all of the operations associated with preparation and application of the vitreous coating. Usually this includes ballmilling, slip transport, application of slip to the workpieces, cleaning and recovery of faulty parts, and firing (fusing) of the enamel coat.

(f) "Metal preparation" means any and all of the metal processing steps preparatory to applying the enamel slip. Usually this includes cleaning, pickling and applying a nickel flash or chemical coating.

(g) The term "control authority" is defined as the POTW if it has an approved pretreatment program; in the absence of such a program, the NPDES state if it has an approved pretreatment program or EPA if the State does not have an approved program.

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(h) The term “precious metal” means gold, silver, or platinum group metals and the principal alloys of those metals.

**§ 466.03 Monitoring and reporting requirements.**

(a) Periodic analyses for chromium as may be required under part 122 or 403 of this chapter is not required when both of the following conditions are met.

(1) The first wastewater sample of each calendar year has been analyzed and found to contain less than 0.08 mg/l chromium.

(2) The owner or operator of the porcelain enameling facility certifies in writing to the control authority or permit issuing authority that chromium is not contained in the raw materials or process chemicals of that facility and will not be used in the facility.

(b) The “monthly average” regulatory values shall be the basis for the monthly average discharge in direct discharge permits and for pretreatment standards. Compliance with the monthly discharge limit is required regardless of the number of samples analyzed and averaged.

(Approved by the Office of Management and Budget under control number 2040-0033)

[47 FR 53184, Nov. 24, 1982, as amended at 48 FR 31405, July 8, 1983]

**§ 466.04 Compliance date for PSES.**

The compliance date for pretreatment standards for existing sources is November 25, 1985.

[47 FR 53184, Nov. 24, 1982, as amended at 48 FR 41410, Sept. 15, 1983]

**Subpart A—Steel Basis Material Subcategory**

**§ 466.10 Applicability; description of the steel basis material.**

This subpart applies to discharges to waters of the United States, and introduction of pollutants into publicly owned treatment works from porcelain enameling on steel basis materials.

**§ 466.11 Effluent limitations representing the degree of effluent reduction attainable by the application of the best practicable control technology currently available.**

Except as provided in 40 CFR 125.30 through 125.32, any existing point source subject to this subpart must achieve the following effluent limitations for metal preparation operations and for coating operations representing the degree of effluent reduction attainable by the application of the best practicable control technology currently available (BPT):

**SUBPART A—BPT EFFLUENT LIMITATIONS**

Pollutant or pollutant property	Maximum for any 1 day		Maximum for monthly average	
	Metal preparation	Coating operation	Metal preparation	Coating operation
Metric units—mg/m <sup>2</sup> of area processed or coated				
Chromium .....	16.82	3.41	6.81	1.38
Lead .....	6.01	1.21	5.21	1.06
Nickel .....	56.46	11.43	40.05	8.11
Zinc .....	53.26	10.78	22.43	4.54
Aluminum .....	182.20	36.87	74.47	15.07
Iron .....	112.12	22.69	56.06	11.34
Oil and grease ...	800.84	162.10	480.51	97.23
TSS .....	1642.00	332.20	800.90	162.00
pH .....	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )
English Units—pounds per 1 million ft <sup>2</sup> of area processed or coated				
Chromium .....	3.45	0.07	1.40	0.29
Lead .....	1.23	0.25	1.07	0.22
Nickel .....	11.57	2.34	8.20	1.66
Zinc .....	10.91	2.21	4.60	0.93
Aluminum .....	37.32	7.55	15.26	3.09
Iron .....	22.96	4.65	11.48	2.32
Oil and grease ...	164.03	33.19	98.42	19.92
TSS .....	337.00	68.10	164.00	33.20
pH .....	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )

<sup>1</sup> Within the range 7.5 to 10.0 at all times.

[47 FR 53184, Nov. 24, 1982, as amended at 50 FR 36543, Sept. 6, 1985]

**§ 466.12 Effluent limitations representing the degree of effluent reduction attainable by the application of the best available technology economically achievable.**

Except as provided in 40 CFR 125.30 through 125.32, any existing point source subject to this subpart must achieve the following effluent limitations representing the degree of effluent reduction attainable by the application of the best available technology economically achievable: